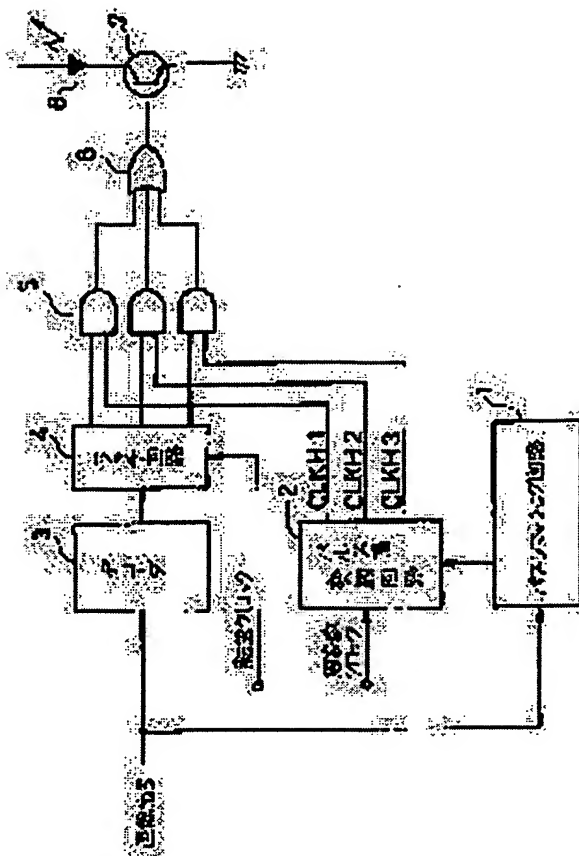


## (57)Abstract:

**PURPOSE:** To necessitate only a small storage area in the optical printer, and also, to shorten the time required for processing smoothly a curve part and an oblique line part of a character and a graphic.

**CONSTITUTION:** The optical printer is provided with a pattern matching circuit 1, a pulse width modulating circuit 2, a decoder 3 and a latch circuit 4, and in order to allow an image signal (graphic pattern) of a character or a graphic to be subjected to pattern matching with 32 kinds of cruciform memory patterns stored in advance in the optical printer, this cross is applied to the graphic pattern, and the memory pattern conforming to the graphic pattern of the part to which this cross is applied, and the memory pattern conforming to the graphic pattern of the part to which the cross immediately after moving one picture element is applied are compared, by which a curve part and an oblique line part of a character and a graphic are discriminated and detected, and by deforming a picture element corresponding to these curve part and oblique line part by, for instance, pulse width modulation, the curve part and the oblique line part are formed smoothly.



## LEGAL STATUS

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